METHOD, SYSTEM, AND PROGRAM FOR DISCOVERING DEVICES COMMUNICATING THROUGH A SWITCH

ABSTRACT

Provided is a computer implemented method, system, and program for discovering a topology of a switch from an initiator device. The switch includes a plurality of switch ports. A plurality of Input/Output (I/O) devices are connected to the switch ports, wherein each I/O device and the initiator device connect to the switch through one of the switch ports. The initiator and I/O devices communicate on a first network configured by the switch and the initiator device communicates with the switch over a second network. The initiator device performs submitting a first query over the first network to the switch requesting a unique address of a plurality of I/O devices that are accessible to the initiator device over the first network. In response to the first query to the switch on the first network, the unique address of each I/O device is received from the switch. A second query is submitted over the second network to the switch for information on switch ports on the switch. In response to the second query to the switch over the second network, the information on the switch ports is received. Information on a topology of the switch ports and the initiator and I/O devices having the unique address is generated.